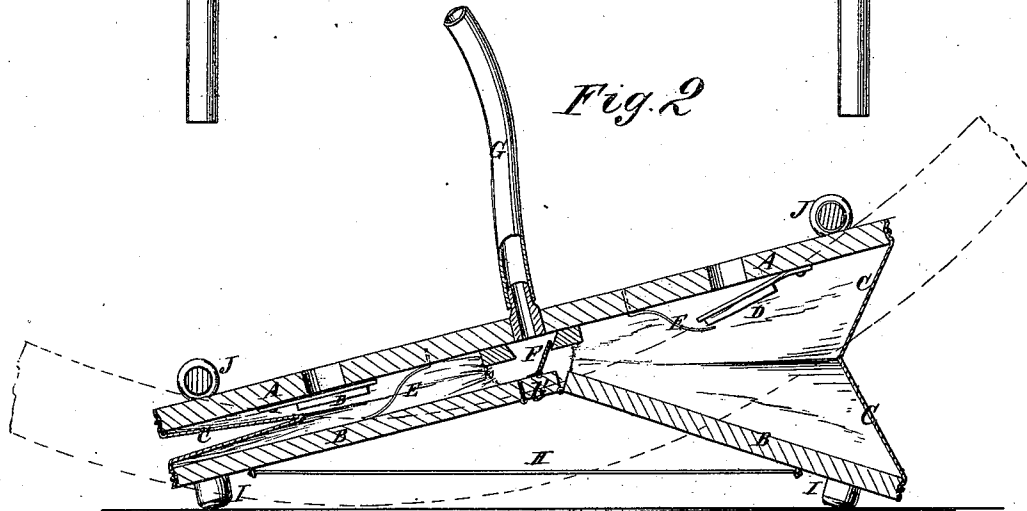
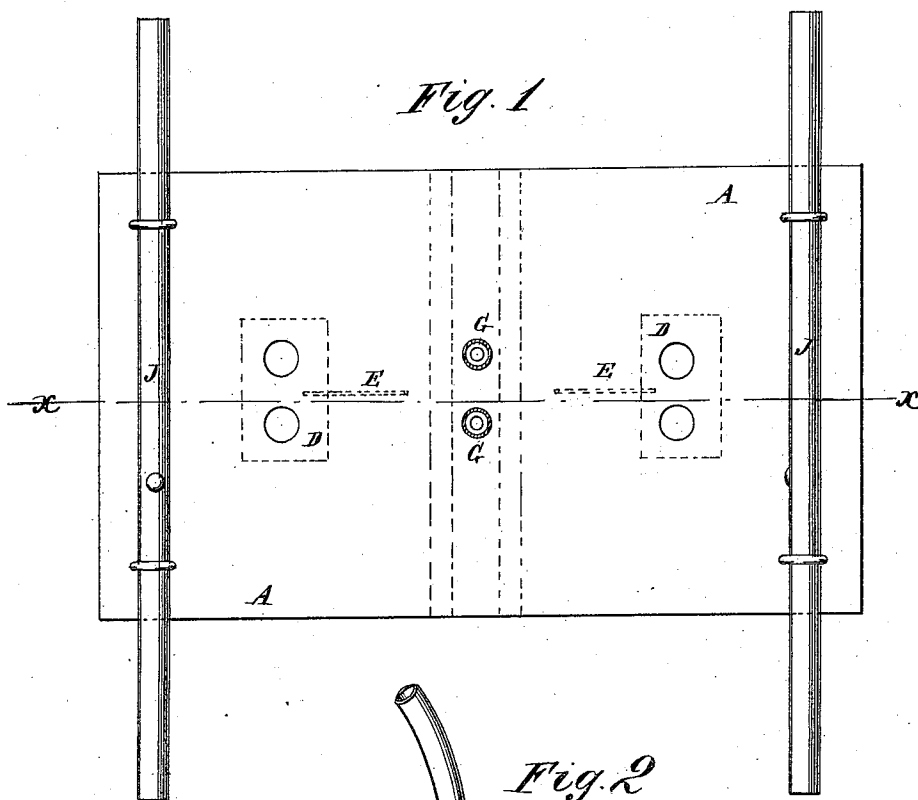


E. E. SELL.

BELLOWS ATTACHMENT FOR ROCKING CHAIRS.

No. 170,308.

Patented Nov. 23, 1875.



WITNESSES:

A. W. Hingvish
Gustave Dietrich

INVENTOR:

E. E. Sell

BY

Miner & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDGAR E. SELL, OF CHARLESTON, SOUTH CAROLINA.

IMPROVEMENT IN BELLOWS ATTACHMENTS FOR ROCKING-CHAIRS.

Specification forming part of Letters Patent No. **170,308**, dated November 23, 1875; application filed September 17, 1875.

To all whom it may concern:

Be it known that I, EDGAR E. SELL, of the city and county of Charleston, South Carolina, have invented a new and useful Improvement in Bellows Attachment for Rocking-Chairs, of which the following is a specification:

Figure 1 is a top view of my improved device, and Fig. 2 is a longitudinal section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an attachment for rocking-chairs, which shall be so constructed that the rocking motion of the chair will force a current of air against the occupant of said chair, and thus render the use of hand or mechanical fans unnecessary.

The invention consists of a bellows attachment for rocking-chairs formed by the combination of the bellows, the flexible tubes, and the cross-bars with each other, and in the combination of the spring with the movable plates of the bellows, as hereinafter fully described.

A is the upper and stationary plate of the bellows. B are movable plates, which are hinged at their inner ends to a stationary strip, *b'*, connected with the middle part of the upper plate A, thus making the bellows double. C is the flexible material, by which the edges of the plates A B B are connected. In the end parts of the upper plate A are formed the inlet-openings for the air, which are closed by the valves D. The valves D are provided with stops or springs E, to prevent them from opening so far that the pressure of the air will not close them promptly. In the middle part of the plate A are formed the outlet-openings, beneath which is placed a valve, F, which is so formed that the pressure of the air as it

is forced from either part may shift the said valve to close the opening into the other part and uncover the outlet-openings. With the outlet-openings are connected the ends of flexible tubes G, the upper ends of which may be connected with the upper part of the back of the chair, and so adjusted as to direct the currents of air forced through them in any desired direction, or to any desired part of the person. The movable plates B may be weighted to keep them down to the floor, and they may also be connected with each other by a rubber spring, H, to keep them down, and prevent them from being raised by the upward movement of the ends of the upper plates A. The movable plates B are provided with knobs or feet I to rest upon the floor, and which should be made of rubber, to prevent noise. To the end parts of the upper plate A are attached, permanently or detachably, two bars, J, the ends of which project, and are designed to be attached to the front and rear parts of the rockers of the chair, so that the bellows may be operated by the movement of said chair.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A bellows attachment for rocking-chairs formed by the combination of the double bellows A B C D E F, the flexible tubes G, and the cross-bars J with each other, substantially as herein shown and described.

2. The combination of the spring H with the movable plates B of the bellows A B C D E F, substantially as herein shown and described.

EDGAR E. SELL.

Witnesses:

JAMES T. GRAHAM,
JAMES H. HUNTER.